

Recombinant Full Length Human GUSB Protein

Cat. No. GUSB-211HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human beta glucuronidase with N terminal proprietary tag, 95.41kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	630 amino acids
Description	This gene encodes a hydrolase that degrades glycosaminoglycans, including heparan sulfate, dermatan sulfate, and chondroitin-4,6-sulfate. The enzyme forms a homotetramer that is localized to the lysosome. Mutations in this gene result in mucopolysaccharidosis type VII. There are many pseudogenes of this locus in the human genome.
Form	Liquid
Molecular Mass	95.410kDa inclusive of tags
AA Sequence	GLQGGMLYPQESPSRECKELDGLWSFRADFSNRRRGFEE QWYRRPLWESGPT VDMPVPSSFNDISQDWRLRHFVGVVWY EREVILPERWTQDLRTRVVLRIGSAHSY AIVWVNGVDTL EGGYLPFEADISNLVQVGPLPSRLRITAIINNTLTPTTL PPGTIQY LTDTSKYPKGYFVQNTYFDFFNAGLQRSVLLY TPTTYIDDITVTTTSVEQDSGLVNY QISVKGSNLFKLEVR LLDAENKVVANGTGTQGQLKVPVSLWVWVYLMHERPAYLY SLEVQLTAQTS LGPVSDFYTLPGVIRTVAVTKSQFLINGK PFYFHGVNKHEDADIRG

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KGFDWPLLVKDFNLLRWLGANAF RTSHYPYAEEMQMCDRYGIVVIDECPGVGLA
 LPQFFNNV SLHHHMQVMEEVRRDKNHPAVVMWSVANEPASHLESAGY YLKMVI
 AHTKSLDPSRPVTFVSNSNYAADKGAPYVDVICL NSYYSWYHDYGHLELIQLQLAT
 QFENWYKKYQKPIIQSEY GAETIAGFHQDPPLMFTEEYQKSLLEQYHLGLDQKRRK
 YV VGELIWNFADFMTEQSPTRVLGNKKGIFTRQRQPKSAAFL LRERYWKIANETRY
 PHSVAKSQCLENSLFT

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name GUSB glucuronidase, beta [Homo sapiens]

Official Symbol GUSB

Synonyms GUSB; glucuronidase, beta; beta-glucuronidase

Gene ID 2990

mRNA Refseq NM_000181

Protein Refseq NP_000172

MIM 611499

UniProt ID P08236

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